

S/N 09/313,048

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Dennis A. Carson et al.

Examiner: T. Schroeder

Serial No.: 09/313,048

Group Art Unit: 1614

Filed: May 17, 1999

Docket: 103.009US1

Title: THIAZOLOPYRIMIDINES USEFUL AS $\text{TNF}\alpha$ INHIBITORS

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

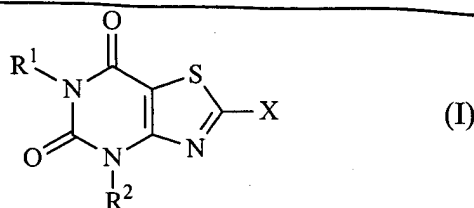
Sir:

In response to the Office Action mailed October 4, 1999, please amend as follows:

IN THE CLAIMS

Cancel claims 12 and 16-17 without disclaimer or prejudice.

1. (Amended) A compound of formula (I):



wherein R^1 is -Z-A wherein Z is (a) $\text{C}_1\text{-C}_7$ alkyl, optionally comprising 1-2 double bonds, 1-2 nonperoxide O or 1-2 NR wherein R is individually H, phenyl, benzyl, $\text{C}_2\text{-C}_4$ alkanoyl or $\text{C}_1\text{-C}_6$ alkyl; (b) $\text{C}_3\text{-C}_6$ cycloalkyl; (c) $\text{C}_3\text{-C}_6$ cycloalkyl $\text{C}_1\text{-C}_3$ alkyl; (d) $\text{C}_6\text{-C}_{10}$ aryl; or (e) $\text{C}_6\text{-C}_{10}$ aryl $\text{C}_1\text{-C}_3$ alkyl;

A is $\text{N}(\text{R})_2$, $\text{C}_2\text{-C}_4$ acyloxy, SO_3H , PO_4H_2 , $[\text{NNO}(\text{OH})] \text{N}(\text{NO})(\text{OH})$, SO_2NH_2 , $\text{PO}(\text{OH})\text{NH}_2$, OH, SO_2R^3 , tetrazolyl, or COOR^3 wherein R^3 is H, phenyl, benzyl or $\text{C}_1\text{-C}_6$ alkyl optionally substituted with 1-2 OR, $\text{C}_6\text{-C}_{10}$ heteroaryl, $\text{C}_6\text{-C}_{10}$ aryl, $\text{C}_2\text{-C}_4$ alkenyl, phenyl, tetrazolyl or [OZ wherein Z is] an ester of an amino acid;

R^2 is a $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_2\text{-C}_4$ alkenyl, $\text{C}_6\text{-C}_{10}$ aryl $\text{C}_1\text{-C}_2$ alkyl or $\text{C}_6\text{-C}_{10}$ heteroaryl $\text{C}_1\text{-C}_2$ alkyl;

X is H, halo, OR, SR, N_3 or $\text{N}(\text{R})_2$; or a pharmaceutically acceptable salt thereof.

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